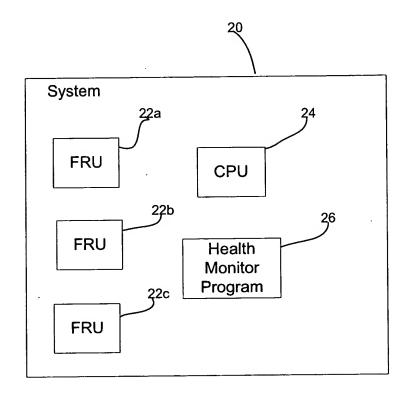
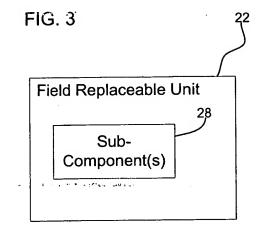


FIG. 2





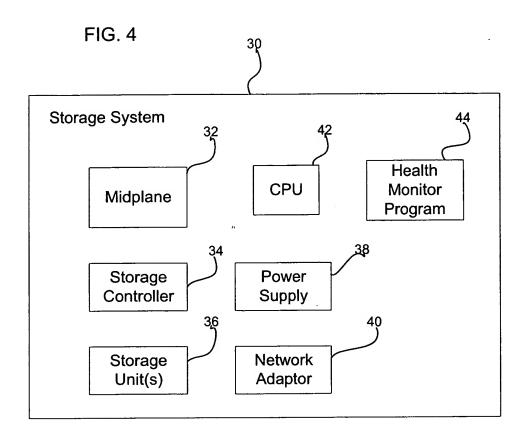
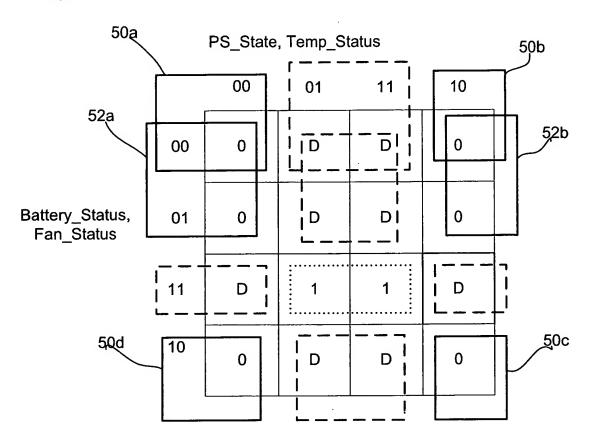


FIG. 5

Truth Table for Power Supply

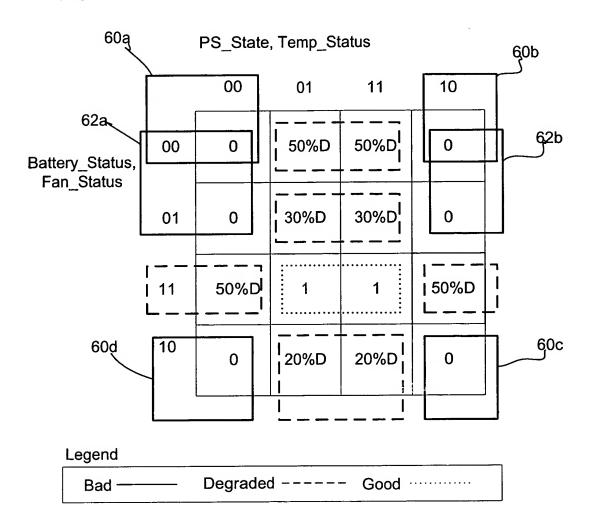
PS_State	Temp_Status	Battery_St atus	Fan_Status	Output State
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	D
0	1	0	0	D
0	1	0	1	D
0	1	1	0	D
0	1	1	1	
L	0	0	0	0
1	0	0	1	0
1	0	1	0	0
ĺ	0	1	1	D
1	1	0	0	D
1	1	0	1.	D
1	1	1	0	D
l	i.	Î	1	****

FIG. 6



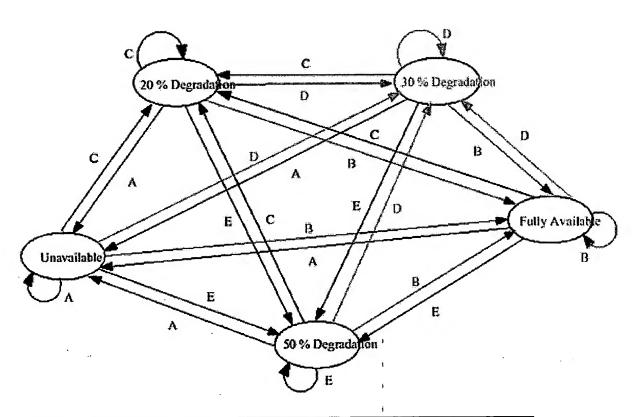
Legend		
Bad ——	Degraded	Good······

FIG. 7



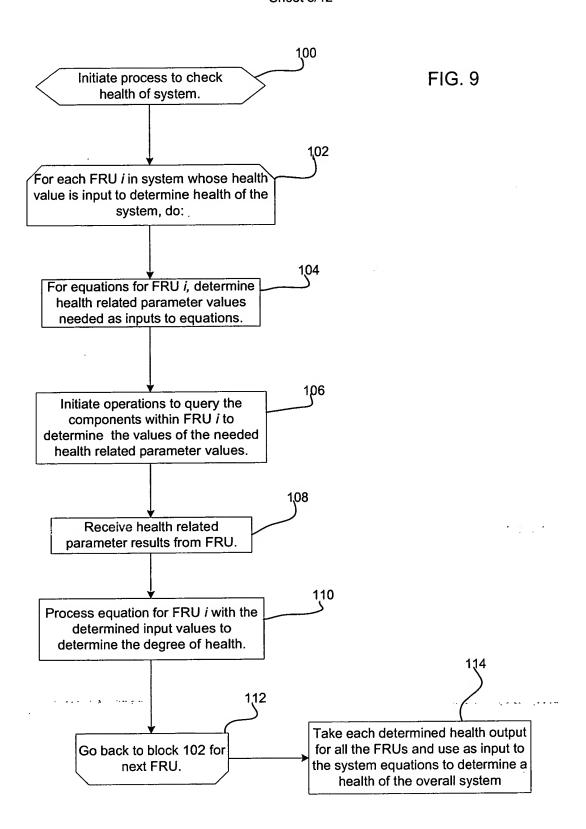
Sheet 7/12

FIG. 8



Equation A (Power Supply is Bad)	[Temp_Status] * [Battery_Status * Fan_Status]		
Equation B: (Power Supply is Good)	Temp_Status * Battery_Status * Fan_Status		
Equation C (20% Degradation in Power Supply)	Temp_Status * Battery_Status * [Fan_Status]		
Equation D (30% Degradation in Power Supply)	Temp_Status * [Battery_Status] * Fan_Status		
Equation E (50% Degradation in Power Supply)	[([Temp_Status] * Battery_Status * Fan_Status) + (Temp_Status* [Battery_Status] * [Fan_Status])		

Sheet 8/12



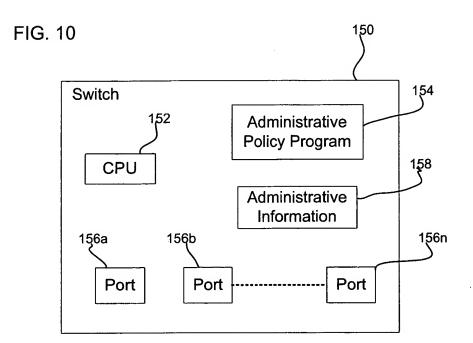


FIG. 11

Administrative Policy Truth Table

Previous Admin State	Previous Oper State	Current Admin State	Current Oper State	Alert Clear	Alert Create	Event
0	0	Q	0	0	0	0
0	0	0	1	0	0	1
0	0		0	0	0	1
0	0	1	1	1	0	1
0	I.	0	0	0	0	1
0	1.	0	1	0	0	0
0	1	1	0	0	1	1
0	I.	1	1	0	0	1
1	0	0	0	0	0	1
1	0	0	1	0	0	1
1	0	1	0	0	0	0
1	0	1	1	1	0	
1	I.	0	0	0	0	1
j	i	0	1	0	0	ppint.
1	į.	1	0	0	1	1
1	1.	1	1	0	0	0

Inventor: K. Desai; Docket No. P8966 Sheet 11/12 2ρ0 Initiate operation to monitor the operating states. FIG. 12 202 Access administrative information to determine current and previous administration and operation states. Are previous states End equal to current states? No 204 Process determined state information and finite state machine equations to determine whether an alert clear, alert 208 create or event action should be taken. 206 Update alert flag to indicate Yes that the alert is "off". Do equations 2,12 indicate an alert clear state? Toggle the alert flag for the port to 210 No "on" to set the alert. Yes 214 Dο equations indicate to Perform operations to notify generate an administrator of alert. alert?

2,16

End

No

Do equations

indicate an

event?

218

Perform operations

associated with event.

FIG. 13

